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# MILK

## PRODUCTION, DISPOSITION, and INCOME

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# C O N T E N T S

	<u>Page</u>
Milk production, disposition, and income.....	3
Tables:	
Annual production, disposition, and income:	
United States, 1954-64.....	4
By States, 1964.....	6
By States, 1963.....	10
Utilization of milk, United States, 1959-64.....	14
Manufacturing grade milk as percent of all milk sold, by regions, 1950-64.....	16

## MILK PRODUCTION, DISPOSITION AND INCOME, 1963-64 1/

Cash receipts from marketings of milk and cream by farmers in 1964 are estimated at 5,022 million dollars. This is 3 percent more than the 4,860 million dollars received in 1963, compared with the previous record high of 4,919 million dollars in 1961. The average return per hundredweight for combined marketings of milk and cream in 1964 was \$4.18 compared with \$4.12 in 1963. The farm value of all milk produced was 5,298 million dollars in 1964, up about 3 percent from 1963. Record high milk production in 1964, at 126,598 million pounds, was produced by 16,065 thousand cows with an average annual rate per cow of 7,880 pounds. Factory products claimed about 51 percent of the milk produced in 1964 and 47 percent was consumed in fluid products.

### Record high milk output in 1964

A record quantity of milk was produced in the United States during 1964. The 126,598 million pounds produced compares with the 125,009 million pounds in 1963 and the previous record production of 126,021 million pounds in 1962. The average annual rate per cow of 7,880 pounds was up 4.2 percent from 7,561 pounds per cow in 1963 -- the largest year to year gain since 1958. The extra day in 1964 (leap year) contributed to the increase from 1963 in total milk production and annual milk output per cow. On a daily average basis, total milk production for 1964 was 1.0 percent above 1963 while milk per cow was 3.9 percent more than in 1963. The annual average number of milk cows in 1964, at 16,065 thousand, was 2.8 percent less than the 1963 average of 16,534 thousand.

### Utilization of 1964 milk production

Factory products claimed about 51 percent of the milk produced in 1964 compared with 50 percent in 1963. Non-farm fluid consumption, the other large use of milk, accounted for 42 percent of the production - the same percentage as in 1963. Farm uses, (milk fed to calves, consumed in fluid form, and used for farm-churned butter) accounted for 7 percent of the production in 1964 compared with nearly 8 percent in 1963.

Of the milk used for factory products, milk equivalent of butter produced represented about one-half, and milk equivalent of cheese about one-fourth.

### Utilization of milk on farms down 8 percent

Of the 1964 milk production, 6,470 million pounds were used on farms where produced -- down 8 percent from the 7,027 million pounds used during 1963. With

(Continued on page 15)

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1/ This report was prepared by G. G. Butler and K. D. Ackers, Agricultural Statisticians, under the direction of I. E. Wissinger, Chief, Dairy Statistics Branch, Agricultural Estimates Division, Statistical Reporting Service.

Table 1.-Milk cows and production of milk, milkfat, and butter on farms, United States, 1954-64 <sup>1/</sup>

Year	Number of milk cows on farms 2/	Production of milk and milkfat 3/					Butter churned on farms
		Per milk cow		Percentage of fat in all milk produced	Total		
		Milk	Milkfat		Milk	Milkfat	
	Thousands	Pounds	Pounds	Percent	Mil.lb.	Mil.lb.	1,000 lb.
1954.....	21,581	5,657	219	3.86	122,094	4,717	178,990
1955.....	21,044	5,842	225	3.84	122,945	4,726	162,070
1956.....	20,501	6,090	233	3.82	124,860	4,773	139,810
1957.....	19,774	6,303	240	3.81	124,628	4,744	119,354
1958.....	18,711	6,585	249	3.78	123,220	4,658	96,123
1959.....	17,901	6,815	256	3.76	121,989	4,588	76,307
1960.....	17,560	7,002	263	3.76	122,951	4,623	62,206
1961.....	17,367	7,223	271	3.75	125,442	4,709	51,686
1962.....	17,050	7,391	276	3.74	126,021	4,708	41,514
1963.....	16,534	7,561	281	3.71	125,009	4,642	33,357
1964.....	16,065	7,880	291	3.70	126,598	4,682	26,101

<sup>1/</sup> Includes Alaska and Hawaii beginning 1960.<sup>2/</sup> Average number on farms during year, excluding heifers not yet fresh.<sup>3/</sup> Excludes milk sucked by calves.Table 2.-Milk used and marketed by farmers, United States, 1954-64 <sup>1/</sup>

Year	Milk used on farms where produced				Milk marketed by farmers			
	Fed to calves <sup>2/</sup>	Consumed as fluid milk or cream	Used for farm-churned butter	Total	Sold to plants and dealers		Retailed by farmers as milk and cream <sup>3/</sup>	Total
					As whole milk	As farm-separated cream		
	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.
1954.....	3,344	8,474	3,562	15,380	87,874	15,910	2,930	106,714
1955.....	3,266	8,114	3,245	14,625	90,960	14,688	2,672	108,320
1956.....	3,119	7,694	2,814	13,627	95,521	13,264	2,448	111,233
1957.....	2,950	7,003	2,428	12,381	98,284	11,669	2,294	112,247
1958.....	2,767	6,393	1,987	11,147	99,626	10,280	2,167	112,073
1959.....	2,658	5,776	1,602	10,036	100,809	9,073	2,071	111,953
1960.....	2,551	5,322	1,322	9,195	103,791	7,942	2,023	113,756
1961.....	2,459	4,864	1,112	8,435	108,145	6,910	1,952	117,007
1962.....	2,361	4,410	902	7,673	110,577	5,887	1,884	118,348
1963.....	2,281	4,023	723	7,027	111,105	5,080	1,797	117,982
1964.....	2,208	3,691	571	6,470	113,935	4,420	1,773	120,128

<sup>1/</sup> Includes Alaska and Hawaii beginning 1960.<sup>2/</sup> Excludes milk sucked by calves.<sup>3/</sup> Sales by producer-distributors and other farmers on own routes or at farm.



Table 3.-Milk and cream marketed by farmers: Quantity, price, and cash receipts, United States, 1954-64 <sup>1/</sup>

Year	Milk sold to plants and dealers			Cream sold to plants and dealers			Milk and cream retailed by farmers		
	Quantity	Price per 100 lb.	Cash receipts	Quantity milkfat	Price per lb. fat	Cash receipts	Quantity, milk equiv.	Price per quart	Cash receipts
	Mil. lb.	Dol.	1,000 dol.	1,000 lb.	Ct.	1,000 dol.	Mil. qt.	Ct.	1,000 dol.
1954.....	87,874	3.97	3,487,085	589,700	58.7	346,355	1,365	20.6	280,666
1955.....	90,960	4.01	3,643,878	544,680	57.8	314,848	1,245	20.8	258,407
1956.....	95,521	4.14	3,953,802	492,300	59.4	292,658	1,139	21.0	239,030
1957.....	98,284	4.21	4,137,026	434,890	60.6	263,578	1,066	21.3	227,438
1958.....	99,626	4.13	4,114,048	382,340	59.3	226,917	1,011	21.3	215,541
1959.....	100,809	4.16	4,195,492	335,560	60.1	201,769	961	21.5	206,242
1960.....	103,791	4.21	4,371,110	292,650	60.5	177,045	942	21.8	204,913
1961.....	108,145	4.22	4,564,145	254,540	61.5	156,598	910	21.8	197,964
1962.....	110,577	4.10	4,532,419	216,530	59.5	128,782	874	22.1	192,967
1963.....	111,105	4.11	4,562,961	185,270	59.6	110,458	835	22.3	186,142
1964.....	113,935	4.16	4,742,855	159,990	58.9	94,284	824	22.4	184,666

<sup>1/</sup> Includes Alaska and Hawaii beginning 1960.

Table 4.-Farm marketings, income, and value of dairy products, United States, 1954-64 <sup>1/</sup>

Year	Combined marketings of milk and cream				Used for milk, cream and butter on farms where produced		Gross farm income from dairy products <u>4/</u>	Farm value of all milk produced <u>3/</u> <u>5/</u>
	Milk utilized	Average returns <u>2/</u>		Cash receipts from marketings	Milk utilized	Value <u>3/</u>		
		Per 100 pounds milk	Per pound milkfat					
	Mil. lb.	Dol.	Dol.	1,000 dol.	Mil. lb.	1,000 dol.	1,000 dol.	1,000 dol.
1954.....	106,714	3.86	1.00	4,114,106	12,036	518,103	4,632,209	4,757,279
1955.....	108,320	3.89	1.01	4,217,133	11,359	494,808	4,711,941	4,834,842
1956.....	111,233	4.03	1.05	4,485,490	10,508	468,451	4,953,941	5,075,318
1957.....	112,247	4.12	1.08	4,628,042	9,431	422,524	5,050,566	5,166,860
1958.....	112,073	4.07	1.08	4,556,506	8,380	373,267	4,929,773	5,037,729
1959.....	111,953	4.11	1.09	4,603,503	7,378	328,718	4,932,221	5,037,223
1960.....	113,756	4.18	1.11	4,753,058	6,644	297,854	5,050,922	5,152,965
1961.....	117,007	4.20	1.12	4,918,707	5,976	266,495	5,185,202	5,285,592
1962.....	118,348	4.10	1.10	4,854,168	5,312	230,653	5,084,821	5,176,877
1963.....	117,982	4.12	1.11	4,859,561	4,746	207,439	5,067,000	5,156,689
1964.....	120,128	4.18	1.13	5,021,805	4,262	188,934	5,210,739	5,297,687

<sup>1/</sup> Includes Alaska and Hawaii beginning 1960.

<sup>2/</sup> Cash receipts divided by milk or milkfat represented in combined marketings.

<sup>3/</sup> Valued at average returns per 100 pounds of milk in combined marketings of milk and cream.

<sup>4/</sup> Cash receipts from marketings of milk and cream plus value of milk used for home consumption and farm-churned butter.

<sup>5/</sup> Includes value of milk fed to calves.

Table 5.-Milk cows and production of milk, milkfat, and butter on farms, by States, 1964 <sup>1/</sup>

State and division	Number of milk cows on farms 2/	Production of milk and milkfat 3/					Butter churned on farms
		Per milk cow		Percentage of fat in all milk produced	Total		
		Milk	Milkfat		Milk	Milkfat	
	Thousands	Pounds	Pounds	Percent	Mil. lb.	Mil. lb.	1,000 lb.
Me. ....	87	8,980	350	3.90	781	30	260
N. H. ....	44	8,450	330	3.90	372	15	50
Vt. ....	240	8,380	327	3.90	2,011	78	40
Mass. ....	83	9,770	366	3.75	811	30	20
R. I. ....	11.1	9,550	353	3.70	106	4	1
Conn. ....	74	9,610	360	3.75	711	27	20
N. Y. ....	1,198	9,110	328	3.60	10,914	393	130
N. J. ....	112	9,770	361	3.70	1,094	40	20
Pa. ....	820	8,600	322	3.75	7,052	264	400
N. Atl. ....	2,669	8,937	330	3.69	23,852	881	941
Ohio.....	599	8,980	337	3.75	5,379	202	420
Ind. ....	386	8,750	332	3.80	3,378	128	190
Ill. ....	478	8,670	316	3.65	4,144	151	280
Mich. ....	620	9,280	339	3.65	5,754	210	160
Wis. ....	2,115	8,930	326	3.65	18,887	689	65
E. N. Cent. ....	4,198	8,943	329	3.68	37,542	1,380	1,115
Minn. ....	1,265	8,670	303	3.50	10,968	384	200
Iowa.....	780	7,920	285	3.60	6,178	222	510
Mo. ....	573	6,020	238	3.95	3,449	136	1,400
N. Dak. ....	244	6,800	241	3.55	1,659	59	510
S. Dak. ....	233	6,180	216	3.50	1,440	50	270
Nebr. ....	278	6,600	238	3.60	1,835	66	510
Kans. ....	285	6,480	237	3.65	1,847	67	640
W. N. Cent. ....	3,658	7,484	269	3.59	27,376	984	4,040
Del. ....	23	7,700	289	3.75	177	7	10
Md. ....	207	7,520	282	3.75	1,557	58	130
Va. ....	292	6,450	245	3.80	1,883	72	1,800
W. Va. ....	108	5,280	203	3.85	570	22	850
N. C. ....	242	6,420	244	3.80	1,554	59	2,800
S. C. ....	93	5,540	219	3.95	515	20	650
Ga. ....	181	5,260	203	3.85	952	37	1,500
Fla. ....	178	7,580	303	4.00	1,349	54	80
S. Atl. ....	1,324	6,463	248	3.84	8,557	329	7,820
Ky. ....	455	5,800	226	3.90	2,639	103	1,700
Tenn. ....	459	4,780	194	4.05	2,194	89	2,000
Ala. ....	205	4,410	170	3.85	904	35	1,900
Miss. ....	284	4,000	164	4.10	1,136	47	1,700
Ark. ....	175	4,650	181	3.90	814	32	1,000
La. ....	211	4,520	181	4.00	954	38	580
Okla. ....	199	6,550	242	3.70	1,303	48	500
Tex. ....	489	6,150	228	3.70	3,007	111	1,200
S. Cent. ....	2,477	5,229	203	3.88	12,951	503	10,580
Mont. ....	68	6,070	222	3.65	413	15	310
Idaho.....	185	8,200	303	3.70	1,517	56	150
Wyo. ....	26	6,910	249	3.60	180	6	90
Colo. ....	108	7,770	280	3.60	839	30	230
N. Mex. ....	40	7,100	259	3.65	284	10	70
Ariz. ....	52	10,170	361	3.55	529	19	20
Utah.....	86	8,490	306	3.60	730	26	70
Nev. ....	14.3	8,950	318	3.55	128	5	15
Wash. ....	216	9,260	361	3.90	2,000	78	300
Oreg. ....	137	7,310	303	4.15	1,001	42	230
Calif. ....	790	10,810	395	3.65	8,540	312	120
West. ....	1,722	9,385	348	3.71	16,161	599	1,605
Alaska.....	2.5	9,080	331	3.65	22.7	1	-
Hawaii.....	14.1	9,640	342	3.55	136	5	-
U. S. ....	16,065	7,880	291	3.70	126,598	4,682	26,101

<sup>1/</sup> Preliminary. <sup>2/</sup> Average number on farms during year, excluding heifers not yet fresh. <sup>3/</sup> Excludes milk sucked by calves.



Table 6.-Milk used and marketed by farmers, by States, 1964 1/

State and division	Milk used on farms where produced				Milk marketed by farmers			
	Fed to calves 2/	Consumed as fluid milk or cream	Used for farm-churned butter	Total	Sold to plants and dealers		Retailed by farmers as milk and cream 3/	Total
					As whole milk	As farm-separated cream		
	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil. lb.	Mil.lb.	Mil.lb.
Me. ....	9	21	6	36	720	-	25	745
N. H. ....	5	9	1	15	341	-	16	357
Vt. ....	26	24	1	51	1,940	-	20	1,960
Mass. ....	7	13	-	20	697	-	94	791
R. I. ....	1	2	-	3	95	-	8	103
Conn. ....	10	12	-	22	648	-	41	689
N. Y. ....	165	137	3	305	10,465	17	127	10,609
N. J. ....	12	12	-	24	1,025	-	45	1,070
Pa. ....	75	155	9	239	6,705	30	78	6,813
N. Atl. ....	310	385	20	715	22,636	47	454	23,137
Ohio.....	90	125	9	224	5,095	29	31	5,155
Ind. ....	37	85	4	126	3,220	20	12	3,252
Ill. ....	52	99	6	157	3,925	40	22	3,987
Mich. ....	110	98	4	212	5,375	150	17	5,542
Wis. ....	480	267	2	749	18,095	16	27	18,138
E. N. Cent. ....	769	674	25	1,468	35,710	255	109	36,074
Minn. ....	190	180	5	375	10,000	575	18	10,593
Iowa.....	136	171	12	319	4,900	930	29	5,859
Mo. ....	56	176	29	261	3,010	150	28	3,188
N. Dak. ....	40	58	13	111	560	980	8	1,548
S. Dak. ....	29	50	7	86	1,040	310	4	1,354
Nebr. ....	55	80	12	147	1,110	570	8	1,688
Kans. ....	50	80	14	144	1,495	170	38	1,703
W. N. Cent. ....	556	795	92	1,443	22,115	3,685	133	25,933
Del. ....	2	4	-	6	169	-	2	171
Md. ....	17	26	3	46	1,490	-	21	1,511
Va. ....	40	151	41	232	1,585	40	26	1,651
W. Va. ....	10	71	19	100	430	16	24	470
N. C. ....	24	167	62	253	1,275	-	26	1,301
S. C. ....	5	48	14	67	440	-	8	448
Ga. ....	9	60	33	102	810	-	40	850
Fla. ....	6	13	2	21	1,290	-	38	1,328
S. Atl. ....	113	540	174	827	7,489	56	185	7,730
Ky. ....	36	210	37	283	2,290	16	50	2,356
Tenn. ....	29	152	40	221	1,945	2	26	1,973
Ala. ....	10	104	41	155	715	-	34	749
Miss. ....	12	117	34	163	960	-	13	973
Ark. ....	10	64	22	96	700	5	13	718
La. ....	7	91	12	110	835	-	9	844
Okla. ....	27	60	11	98	1,115	70	20	1,205
Tex. ....	29	132	27	188	2,755	10	54	2,819
S. Cent. ....	160	930	224	1,314	11,315	103	219	11,637
Mont. ....	12	45	7	64	250	95	4	349
Idaho.....	46	52	3	101	1,370	31	15	1,416
Wyo. ....	5	16	2	23	130	23	4	157
Colo. ....	26	41	5	72	700	49	18	767
N. Mex. ....	4	13	2	19	252	-	13	265
Ariz. ....	6	10	-	16	492	-	21	513
Utah.....	12	29	2	43	665	6	16	687
Nev. ....	3	2	-	5	121	2	-	123
Wash. ....	48	51	7	106	1,835	25	34	1,894
Oreg. ....	33	43	5	81	860	32	28	920
Calif. ....	104	60	3	167	7,850	11	512	8,373
West. ....	299	362	36	697	14,525	274	665	15,464
Alaska.....	0.2	0.6	-	0.8	21.1	-	0.8	21.9
Hawaii.....	1	4	-	5	124	-	7	131
U. S. ....	2,208	3,691	571	6,470	113,935	4,420	1,773	120,128

1/ Preliminary. 2/ Excludes milk sucked by calves. 3/ Sales by producer-distributors and other farmers on own routes or at farm.

Table 7.-Milk and cream marketed by farmers: Quantity, price, and cash receipts, by States, 1964 1/

State and division	Milk sold to plants and dealers			Cream sold to plants and dealers			Milk and cream retailed by farmers		
	Quantity	Price per 100 lb.	Cash receipts	Quantity milkfat	Price per lb. fat	Cash receipts	Quantity, milk equiv.	Price per quart	Cash receipts
	Mil. lb.	Dol.	1,000 dol.	1,000 lb.	Ct.	1,000 dol.	Mil. qt.	Ct.	1,000 dol.
Me. ....	720	5.22	37,584	-	-	-	12	25.2	3,024
N. H. ....	341	5.40	18,414	-	-	-	7	25.1	1,757
Vt. ....	1,940	4.74	91,956	-	-	-	9	23.2	2,088
Mass. ....	697	5.60	39,032	-	-	-	44	25.9	11,396
R. I. ....	95	5.68	5,396	-	-	-	4	25.9	1,036
Conn. ....	648	5.69	36,871	-	-	-	19	26.2	4,978
N. Y. ....	10,465	4.34	454,181	650	50	325	59	21.2	12,508
N. J. ....	1,025	5.08	52,070	-	-	-	21	24.9	5,229
Pa. ....	6,705	4.73	317,146	1,120	55	616	36	21.2	7,632
N. Atl. ....	22,636	4.65	1,052,650	1,770	53.2	941	211	23.5	49,648
Ohio. ....	5,095	4.18	212,971	1,130	49	554	14	22.5	3,150
Ind. ....	3,220	4.01	129,122	790	48	379	6	21.6	1,296
Ill. ....	3,925	3.79	148,758	1,480	51	755	10	20.0	2,000
Mich. ....	5,375	4.08	219,300	5,620	58	3,260	8	20.0	1,600
Wis. ....	18,095	3.46	626,087	580	64	371	13	21.5	2,795
E. N. Cent. .	35,710	3.74	1,336,238	9,600	55.4	5,319	51	21.3	10,841
Minn. ....	10,000	3.25	325,000	20,120	64	12,877	8	19.5	1,560
Iowa. ....	4,900	3.44	168,560	33,020	62	20,472	13	20.8	2,704
Mo. ....	3,010	3.86	116,186	6,080	51	3,101	13	19.2	2,496
N. Dak. ....	560	3.26	18,256	34,790	60	20,874	4	20.0	800
S. Dak. ....	1,040	3.30	34,320	10,850	60	6,510	2	20.2	404
Nebr. ....	1,110	3.71	41,181	20,520	56	11,491	4	19.0	760
Kans. ....	1,495	3.99	59,650	6,290	55	3,460	18	18.8	3,384
W. N. Cent. .	22,115	3.45	763,153	131,670	59.8	78,785	62	19.5	12,108
Del. ....	169	4.95	8,366	-	-	-	1	23.5	235
Md. ....	1,490	4.91	73,159	-	-	-	10	25.0	2,500
Va. ....	1,585	4.95	78,458	1,620	45	729	12	24.2	2,904
W. Va. ....	430	4.68	20,124	670	42	281	11	22.6	2,486
N. C. ....	1,275	5.74	73,185	-	-	-	12	20.1	2,412
S. C. ....	440	5.83	25,652	-	-	-	4	22.4	896
Ga. ....	810	5.97	48,357	-	-	-	19	22.5	4,275
Fla. ....	1,290	6.39	82,431	-	-	-	18	24.5	4,410
S. Atl. ....	7,489	5.47	409,732	2,290	44.1	1,010	87	23.1	20,118
Ky. ....	2,290	3.87	88,623	660	48	317	23	21.2	4,876
Tenn. ....	1,945	4.33	84,218	80	49	39	12	19.0	2,280
Ala. ....	715	5.69	40,684	-	-	-	16	19.8	3,168
Miss. ....	960	4.97	47,712	-	-	-	6	21.0	1,260
Ark. ....	700	4.56	31,920	200	47	94	6	20.1	1,206
La. ....	835	5.69	47,512	-	-	-	4	21.8	872
Okla. ....	1,115	4.64	51,736	2,800	54	1,512	9	19.9	1,791
Tex. ....	2,755	5.10	140,505	410	48	197	25	24.1	6,025
S. Cent. ....	11,315	4.71	532,910	4,150	52.0	2,159	101	21.3	21,478
Mont. ....	250	4.54	11,350	3,560	58	2,065	2	23.6	472
Idaho. ....	1,370	3.41	46,717	1,150	57	656	7	21.8	1,526
Wyo. ....	130	4.07	5,291	830	57	473	2	20.0	400
Colo. ....	700	4.78	33,460	1,840	57	1,049	8	22.8	1,824
N. Mex. ....	252	5.09	12,827	-	-	-	6	22.0	1,320
Ariz. ....	492	5.10	25,092	-	-	-	10	23.7	2,370
Utah. ....	665	4.13	27,464	210	52	109	7	17.1	1,197
Nev. ....	121	5.17	6,256	70	60	42	-	-	-
Wash. ....	1,835	4.32	79,272	1,050	56	588	16	23.0	3,680
Oreg. ....	860	4.46	38,356	1,380	60	828	13	23.9	3,107
Calif. ....	7,850	4.45	349,325	420	62	260	238	22.5	53,550
West. ....	14,525	4.37	635,410	10,510	57.8	6,070	309	22.5	69,446
Alaska. ....	21.1	9.65	2,036	-	-	-	0.4	38.5	154
Hawaii. ....	124	8.65	10,726	-	-	-	3	29.1	873
U. S. ....	113,935	4.16	4,742,855	159,990	58.9	94,284	824	22.4	184,666

1/ Preliminary.



Table 8.-Farm marketings, income, and value of dairy products, by States, 1964 1/

State and division	Combined marketings of milk and cream				Used for milk, cream and butter on farms where produced		Gross farm income from dairy products 4/	Farm value of all milk produced 3/ 5/
	Milk utilized	Average returns 2/		Cash receipts from marketings				
		Per 100 pounds milk	Per pound milkfat		Milk utilized	Value 3/		
	Mil. lb.	Dol.	Dol.	1,000 dol.	Mil. lb.	1,000 dol.	1,000 dol.	1,000 dol.
Me. ....	745	5.45	1.40	40,608	27	1,472	42,080	42,564
N. H. ....	357	5.65	1.45	20,171	10	565	20,736	21,018
Vt. ....	1,960	4.80	1.23	94,044	25	1,200	95,244	96,528
Mass. ....	791	6.38	1.70	50,428	13	829	51,257	51,742
R. I. ....	103	6.24	1.69	6,432	2	125	6,557	6,614
Conn. ....	689	6.07	1.62	41,849	12	728	42,577	43,158
N. Y. ....	10,609	4.40	1.22	467,014	140	6,160	473,174	480,216
N. J. ....	1,070	5.36	1.45	57,299	12	643	57,942	58,638
Pa. ....	6,813	4.78	1.27	325,394	164	7,839	333,233	337,086
N. Atl. ....	23,137	4.77	1.29	1,103,239	405	19,561	1,122,800	1,137,564
Ohio. ....	5,155	4.20	1.12	216,675	134	5,628	222,303	225,918
Ind. ....	3,252	4.02	1.06	130,797	89	3,578	134,375	135,796
Ill. ....	3,987	3.80	1.04	151,513	105	3,990	155,503	157,472
Mich. ....	5,542	4.04	1.11	224,160	102	4,121	228,281	232,462
Wis. ....	18,138	3.47	.95	629,253	269	9,334	638,587	655,379
E. N. Cent. ....	36,074	3.75	1.02	1,352,398	699	26,651	1,379,049	1,407,027
Minn. ....	10,593	3.20	.91	339,437	185	5,920	345,357	350,976
Iowa. ....	5,859	3.27	.91	191,736	183	5,984	197,720	202,021
Mo. ....	3,188	3.82	.97	121,783	205	7,831	129,614	131,752
N. Dak. ....	1,548	2.58	.73	39,930	71	1,832	41,762	42,802
S. Dak. ....	1,354	3.05	.87	41,234	57	1,738	42,972	43,920
Nebr. ....	1,688	3.17	.88	53,432	92	2,916	56,348	58,170
Kans. ....	1,703	3.90	1.07	66,494	94	3,666	70,160	72,033
W. N. Cent. ....	25,933	3.29	.92	854,046	887	29,887	883,933	901,674
Del. ....	171	5.03	1.34	8,601	4	201	8,802	8,903
Md. ....	1,511	5.01	1.34	75,659	29	1,453	77,112	78,006
Va. ....	1,651	4.97	1.31	82,091	192	9,542	91,633	93,585
W. Va. ....	470	4.87	1.26	22,891	90	4,383	27,274	27,759
N. C. ....	1,301	5.81	1.53	75,597	229	13,305	88,902	90,287
S. C. ....	448	5.93	1.50	26,548	62	3,677	30,225	30,540
Ga. ....	850	6.19	1.61	52,632	93	5,757	58,389	58,929
Fla. ....	1,328	6.54	1.64	86,841	15	981	87,822	88,225
S. Atl. ....	7,730	5.57	1.45	430,860	714	39,299	470,159	476,234
Ky. ....	2,356	3.98	1.02	93,816	247	9,831	103,647	105,032
Tenn. ....	1,973	4.39	1.08	86,537	192	8,429	94,966	96,317
Ala. ....	749	5.85	1.52	43,852	145	8,482	52,334	52,884
Miss. ....	973	5.03	1.23	48,972	151	7,595	56,567	57,141
Ark. ....	718	4.63	1.19	33,220	86	3,982	37,202	37,688
La. ....	844	5.73	1.43	48,384	103	5,902	54,286	54,664
Okla. ....	1,205	4.57	1.24	55,039	71	3,245	58,284	59,547
Tex. ....	2,819	5.20	1.41	146,727	159	8,268	154,995	156,364
S. Cent. ....	11,637	4.78	1.23	556,547	1,154	55,734	612,281	619,637
Mont. ....	349	3.98	1.09	13,887	52	2,070	15,957	16,437
Idaho. ....	1,416	3.45	.93	48,899	55	1,898	50,797	52,336
Wyo. ....	157	3.93	1.09	6,164	18	707	6,871	7,074
Colo. ....	767	4.74	1.32	36,333	46	2,180	38,513	39,769
N. Mex. ....	265	5.34	1.46	14,147	15	801	14,948	15,166
Ariz. ....	513	5.35	1.51	27,462	10	535	27,997	28,302
Utah. ....	687	4.19	1.16	28,770	31	1,299	30,069	30,587
Nev. ....	123	5.12	1.44	6,298	2	102	6,400	6,554
Wash. ....	1,894	4.41	1.13	83,540	58	2,558	86,098	88,200
Oreg. ....	920	4.60	1.11	42,291	48	2,208	44,499	46,046
Calif. ....	8,373	4.81	1.32	403,135	63	3,030	406,165	410,774
West. ....	15,464	4.60	1.24	710,926	398	17,388	728,314	741,245
Alaska. ....	21.9	10.00	2.74	2,190	0.6	60	2,250	2,270
Hawaii. ....	131	8.85	2.49	11,599	4	354	11,953	12,036
U. S. ....	120,128	4.18	1.13	5,021,805	4,262	188,934	5,210,739	5,297,687

1/ Preliminary.

2/ Cash receipts divided by milk or milkfat represented in combined marketings.

3/ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream.

4/ Cash receipts from marketings of milk and cream plus value of milk used for home consumption and farm-churned butter.

5/ Includes value of milk fed to calves.

Table 9.-Milk cows and production of milk, milkfat, and butter on farms, by States, 1963

State and division	Number of milk cows on farms 1/ Thousands	Production of milk and milkfat 2/					Butter churned on farms 1,000 lb.
		Per milk cow		Percentage of fat in all milk produced Percent	Total		
		Milk Pounds	Milkfat Pounds		Milk Mil. lb.	Milkfat Mil. lb.	
Me. ....	90	8,680	339	3.90	781	30	400
N. H. ....	47	8,300	324	3.90	390	15	80
Vt. ....	251	8,030	313	3.90	2,016	79	60
Mass. ....	87	9,360	351	3.75	814	31	35
R. I. ....	12.0	9,170	339	3.70	110	4	2
Conn. ....	76	9,260	347	3.75	704	26	30
N. Y. ....	1,217	8,880	320	3.60	10,807	389	200
N. J. ....	117	9,690	359	3.70	1,134	42	25
Pa. ....	848	8,370	314	3.75	7,098	266	500
N. Atl. ....	2,745	8,690	321	3.70	23,854	882	1,332
Ohio.....	626	8,640	324	3.75	5,409	203	550
Ind. ....	398	8,320	316	3.80	3,311	126	240
Ill. ....	504	8,300	303	3.65	4,183	153	350
Mich. ....	627	8,980	328	3.65	5,630	205	220
Wis. ....	2,127	8,670	316	3.65	18,441	673	90
E. N. Cent. ....	4,282	8,635	318	3.68	36,974	1,360	1,450
Minn. ....	1,266	8,090	287	3.55	10,242	364	240
Iowa.....	798	7,470	269	3.60	5,961	215	630
Mo. ....	604	5,800	232	4.00	3,503	140	1,700
N. Dak. ....	255	6,490	230	3.55	1,655	59	650
S. Dak. ....	233	5,860	205	3.50	1,365	48	330
Nebr. ....	287	6,450	232	3.60	1,851	67	630
Kans. ....	300	6,060	221	3.65	1,818	66	800
W. N. Cent. ....	3,743	7,052	256	3.63	26,395	959	4,980
Del. ....	24	7,500	281	3.75	180	7	15
Md. ....	212	7,370	276	3.75	1,562	59	180
Va. ....	307	6,190	238	3.85	1,900	73	2,300
W. Va. ....	112	5,160	199	3.85	578	22	1,100
N. C. ....	250	6,200	236	3.80	1,550	59	3,500
S. C. ....	99	5,290	209	3.95	524	21	860
Ga. ....	193	5,000	195	3.90	965	38	1,900
Fla. ....	177	7,500	300	4.00	1,328	53	110
S. Atl. ....	1,374	6,250	242	3.87	8,587	332	9,965
Ky. ....	476	5,530	218	3.95	2,632	104	2,100
Tenn. ....	476	4,710	193	4.10	2,242	92	2,500
Ala. ....	216	4,210	164	3.90	909	35	2,500
Miss. ....	304	3,820	157	4.10	1,161	48	2,200
Ark. ....	190	4,450	176	3.95	846	33	1,300
La. ....	219	4,240	170	4.00	929	37	730
Okla. ....	213	6,300	233	3.70	1,342	50	650
Tex. ....	519	5,700	214	3.75	2,958	111	1,500
S. Cent. ....	2,613	4,982	195	3.92	13,019	510	13,480
Mont. ....	70	6,040	220	3.65	423	15	400
Idaho.....	191	8,350	309	3.70	1,595	59	200
Wyo. ....	27	6,600	238	3.60	178	6	120
Colo. ....	112	7,550	272	3.60	846	30	300
N. Mex. ....	40	6,850	250	3.65	274	10	100
Ariz. ....	51	9,900	351	3.55	505	18	30
Utah.....	90	8,370	301	3.60	753	27	100
Nev. ....	14.6	8,360	301	3.60	122	4	20
Wash. ....	222	8,960	349	3.90	1,989	78	400
Oreg. ....	144	7,250	301	4.15	1,044	43	310
Calif. ....	798	10,400	380	3.65	8,299	303	170
West. ....	1,760	9,107	337	3.70	16,028	593	2,150
Alaska.....	2.6	8,830	327	3.70	23.0	1	-
Hawaii.....	14.1	9,140	329	3.60	129	5	-
U. S. ....	16,534	7,561	281	3.71	125,009	4,642	33,357

1/ Average number on farms during year, excluding heifers not yet fresh.

2/ Excludes milk sucked by calves.

Table 10.-Milk used and marketed by farmers, by States, 1963

State and division	Milk used on farms where produced				Milk marketed by farmers			
	Fed to calves 1/	Consumed as fluid milk or cream	Used for farm-churned butter	Total	Sold to plants and dealers		Retailled by farmers as milk and cream 2/	Total
					As whole milk	As farm-separated cream		
	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.
Me. ....	9	23	8	40	715	-	26	741
N. H. ....	5	10	2	17	355	-	18	373
Vt. ....	26	24	1	51	1,945	-	20	1,965
Mass. ....	8	13	1	22	700	-	92	792
R. I. ....	1	2	-	3	99	-	8	107
Conn. ....	11	12	1	24	638	-	42	680
N. Y. ....	170	148	4	322	10,327	26	132	10,485
N. J. ....	12	14	1	27	1,060	-	47	1,107
Pa. ....	80	171	12	263	6,720	35	80	6,835
N. Atl. ....	322	417	30	769	22,559	61	465	23,085
Ohio.....	94	139	12	245	5,100	33	31	5,164
Ind. ....	41	93	5	139	3,130	30	12	3,172
Ill. ....	54	114	8	176	3,935	50	22	4,007
Mich. ....	115	112	5	232	5,220	160	18	5,398
Wis. ....	495	278	2	775	17,620	19	27	17,666
E. N. Cent. ....	799	736	32	1,567	35,005	292	110	35,407
Minn. ....	188	185	6	379	9,240	605	18	9,863
Iowa.....	140	183	14	337	4,515	1,080	29	5,624
Mo. ....	59	195	35	289	3,025	160	29	3,214
N. Dak. ....	40	61	16	117	500	1,030	8	1,538
S. Dak. ....	30	53	8	91	905	365	4	1,274
Nebr. ....	57	86	15	158	920	765	8	1,693
Kans. ....	52	90	18	160	1,415	205	38	1,658
W. N. Cent. ....	566	853	112	1,531	20,520	4,210	134	24,864
Del. ....	3	4	-	7	171	-	2	173
Md. ....	18	28	4	50	1,490	1	21	1,512
Va. ....	42	160	51	253	1,570	50	27	1,647
W. Va. ....	11	79	24	114	420	19	25	464
N. C. ....	24	182	76	282	1,240	-	28	1,268
S. C. ....	5	51	19	75	440	-	9	449
Ga. ....	9	70	41	120	800	-	45	845
Fla. ....	7	15	2	24	1,265	-	39	1,304
S. Atl. ....	119	589	217	925	7,396	70	196	7,662
Ky. ....	37	232	45	314	2,250	18	50	2,318
Tenn. ....	29	169	50	248	1,965	3	26	1,994
Ala. ....	11	115	53	179	695	-	35	730
Miss. ....	12	129	44	185	965	-	11	976
Ark. ....	10	73	28	111	715	7	13	735
La. ....	7	98	15	120	800	-	9	809
Okla. ....	27	70	15	112	1,120	90	20	1,230
Tex. ....	30	148	34	212	2,675	15	56	2,746
S. Cent. ....	163	1,034	284	1,481	11,185	133	220	11,538
Mont. ....	13	46	9	68	250	100	5	355
Idaho.....	47	54	5	106	1,438	36	15	1,489
Wyo. ....	5	17	3	25	125	24	4	153
Colo. ....	27	45	7	79	690	60	17	767
N. Mex. ....	4	15	2	21	245	-	8	253
Ariz. ....	6	11	1	18	470	-	17	487
Utah. ....	13	30	2	45	687	7	14	708
Nev. ....	3	3	-	6	113	3	-	116
Wash. ....	49	57	9	115	1,810	30	34	1,874
Oreg. ....	34	45	6	85	890	40	29	959
Calif. ....	110	66	4	180	7,583	14	522	8,119
West. ....	311	389	48	748	14,301	314	665	15,280
Alaska.....	0.3	0.6	-	0.9	21.6	-	0.5	22.1
Hawaii.....	1	4	-	5	117	-	7	124
U. S. ....	2,281	4,023	723	7,027	111,105	5,080	1,797	117,982

1/ Excludes milk sucked by calves.

2/ Sales by producer-distributors and other farmers on own routes or at farm.



Table 11.-Milk and cream marketed by farmers: Quantity, price, and cash receipts, by States, 1963

State and division	Milk sold to plants and dealers			Cream sold to plants and dealers			Milk and cream retailed by farmers		
	Quantity	Price per 100 lb.	Cash receipts	Quantity milkfat	Price per lb. fat	Cash receipts	Quantity, milk equiv.	Price per quart	Cash receipts
	Mil. lb.	Dol.	1,000 dol.	1,000 lb.	Ct.	1,000 dol.	Mil. qt.	Ct.	1,000 dol.
Me. ....	715	5.20	37,180	-	-	-	12	25.1	3,012
N. H. ....	355	5.35	18,992	-	-	-	8	25.2	2,016
Vt. ....	1,945	4.69	91,220	-	-	-	9	23.1	2,079
Mass. ....	700	5.60	39,200	-	-	-	43	26.4	11,352
R. I. ....	99	5.70	5,643	-	-	-	4	26.4	1,056
Conn. ....	638	5.68	36,238	-	-	-	20	26.4	5,280
N. Y. ....	10,327	4.27	440,963	1,000	49	490	61	19.6	11,956
N. J. ....	1,060	5.04	53,424	-	-	-	22	25.5	5,610
Pa. ....	6,720	4.62	310,464	1,310	54	707	37	20.8	7,696
N. Atl. ....	22,559	4.58	1,033,324	2,310	51.8	1,197	216	23.2	50,057
Ohio. ....	5,100	4.10	209,100	1,290	48	619	14	22.0	3,080
Ind. ....	3,130	3.97	124,261	1,180	50	590	6	22.0	1,320
Ill. ....	3,935	3.65	143,628	1,850	56	1,036	10	20.0	2,000
Mich. ....	5,220	4.05	211,410	6,080	58	3,526	8	20.1	1,608
Wis. ....	17,620	3.41	600,842	700	64	448	13	22.2	2,886
E. N. Cent..	35,005	3.68	1,289,241	11,100	56.0	6,219	51	21.4	10,694
Minn. ....	9,240	3.20	295,680	21,480	64	13,747	8	19.1	1,528
Iowa. ....	4,515	3.40	153,510	38,880	64	24,883	13	20.3	2,639
Mo. ....	3,025	3.73	112,832	6,640	49	3,254	13	18.1	2,353
N. Dak. ....	500	3.18	15,900	36,560	62	22,667	4	19.5	780
S. Dak. ....	905	3.29	29,774	12,780	61	7,796	2	19.8	396
Nebr. ....	920	3.71	34,132	27,540	56	15,422	4	18.8	752
Kans. ....	1,415	3.89	55,044	7,690	55	4,230	18	18.2	3,276
W. N. Cent..	20,520	3.40	696,872	151,570	60.7	91,999	62	18.9	11,724
Del. ....	171	4.65	7,952	-	-	-	1	23.5	235
Md. ....	1,490	4.69	69,881	40	48	19	10	25.0	2,500
Va. ....	1,570	4.82	75,674	2,050	45	922	13	23.7	3,081
W. Va. ....	420	4.56	19,152	800	42	336	12	22.1	2,652
N. C. ....	1,240	5.61	69,564	-	-	-	13	20.5	2,665
S. C. ....	440	5.75	25,300	-	-	-	4	22.5	900
Ga. ....	800	5.99	47,920	-	-	-	21	22.5	4,725
Fla. ....	1,265	6.61	83,616	-	-	-	18	24.5	4,410
S. Atl. ....	7,396	5.40	399,059	2,890	44.2	1,277	92	23.0	21,168
Ky. ....	2,250	3.85	86,625	750	53	398	23	21.7	4,991
Tenn. ....	1,965	4.18	82,137	130	49	64	12	18.7	2,244
Ala. ....	695	5.71	39,684	-	-	-	16	19.9	3,184
Miss. ....	965	4.82	46,513	-	-	-	5	21.2	1,060
Ark. ....	715	4.34	31,031	290	49	142	6	20.1	1,206
La. ....	800	5.70	45,600	-	-	-	4	23.3	932
Okla. ....	1,120	4.40	49,280	3,600	53	1,908	9	20.0	1,800
Tex. ....	2,675	5.10	136,425	620	48	298	26	23.9	6,214
S. Cent. ....	11,185	4.62	517,295	5,390	52.1	2,810	101	21.4	21,631
Mont. ....	250	4.45	11,125	3,750	58	2,175	2	23.0	460
Idaho. ....	1,438	3.37	48,461	1,330	56	745	7	21.5	1,505
Wyo. ....	125	4.15	5,188	850	58	493	2	20.0	400
Colo. ....	690	4.74	32,706	2,220	58	1,288	8	23.0	1,840
N. Mex. ....	245	5.05	12,372	-	-	-	4	22.0	880
Ariz. ....	470	5.04	23,688	-	-	-	8	24.3	1,944
Utah. ....	687	4.14	28,442	250	53	132	7	18.0	1,260
Nev. ....	113	5.17	5,842	110	62	68	-	-	-
Wash. ....	1,810	4.23	76,563	1,260	56	706	16	23.0	3,680
Oreg. ....	890	4.35	38,715	1,720	60	1,032	13	23.5	3,055
Calif. ....	7,583	4.38	332,135	520	61	317	243	22.5	54,675
West. ....	14,301	4.30	615,237	12,010	57.9	6,956	310	22.5	69,699
Alaska. ....	21.6	9.85	2,128	-	-	-	0.2	45.0	90
Hawaii. ....	117	8.38	9,805	-	-	-	3	29.3	879
U. S. ....	111,105	4.11	4,562,961	185,270	59.6	110,458	835	22.3	186,142

Table 12.-Farm marketings, income, and value of dairy products, by States, 1963

State and division	Combined marketings of milk and cream				Used for milk, cream and butter on farms where produced		Gross farm income from dairy products <sup>3/</sup>	Farm value of all milk produced <sup>2/ 4/</sup>
	Milk utilized	Average returns <sup>1/</sup>		Cash receipts from marketings	Milk utilized	Value <sup>2/</sup>		
		Per 100 pounds milk	Per pound milkfat					
	Mil. lb.	Dol.	Dol.	1,000 dol.	Mil. lb.	1,000 dol.	1,000 dol.	1,000 dol.
Me. ....	741	5.42	1.39	40,192	31	1,680	41,872	42,330
N. H. ....	373	5.63	1.44	21,008	12	676	21,684	21,957
Vt. ....	1,965	4.75	1.22	93,299	25	1,188	94,487	95,760
Mass. ....	792	6.38	1.70	50,552	14	893	51,445	51,933
R. I. ....	107	6.26	1.69	6,699	2	125	6,824	6,886
Conn. ....	680	6.11	1.63	41,518	13	794	42,312	43,014
N. Y. ....	10,485	4.32	1.20	453,409	152	6,566	459,975	466,862
N. J. ....	1,107	5.33	1.44	59,034	15	800	59,834	60,442
Pa. ....	6,835	4.67	1.25	318,867	183	8,546	327,413	331,477
N. Atl. ....	23,085	4.70	1.27	1,084,578	447	21,268	1,105,846	1,120,661
Ohio. ....	5,164	4.12	1.10	212,799	151	6,221	219,020	222,851
Ind. ....	3,172	3.98	1.05	126,171	98	3,900	130,071	131,778
Ill. ....	4,007	3.66	1.00	146,664	122	4,465	151,129	153,098
Mich. ....	5,398	4.01	1.10	216,544	117	4,692	221,236	225,763
Wis. ....	17,666	3.42	.94	604,176	280	9,576	613,752	630,682
E. N. Cent. ....	35,407	3.69	1.00	1,306,354	768	28,854	1,335,208	1,364,172
Minn. ....	9,863	3.15	.89	310,955	191	6,016	316,971	322,623
Iowa. ....	5,624	3.22	.89	181,032	197	6,343	187,375	191,944
Mo. ....	3,214	3.69	.92	118,439	230	8,487	126,926	129,261
N. Dak. ....	1,538	2.56	.72	39,347	77	1,971	41,318	42,368
S. Dak. ....	1,274	2.98	.85	37,966	61	1,818	39,784	40,677
Nebr. ....	1,693	2.97	.82	50,306	101	3,000	53,306	54,975
Kans. ....	1,658	3.77	1.03	62,550	108	4,072	66,622	68,539
W. N. Cent. ....	24,864	3.22	.89	800,595	965	31,707	832,302	850,387
Del. ....	173	4.73	1.26	8,187	4	189	8,376	8,514
Md. ....	1,512	4.79	1.28	72,400	32	1,533	73,933	74,820
Va. ....	1,647	4.84	1.26	79,677	211	10,212	89,889	91,960
W. Va. ....	464	4.77	1.24	22,140	103	4,913	27,053	27,571
N. C. ....	1,268	5.70	1.50	72,229	258	14,706	86,935	88,350
S. C. ....	449	5.84	1.48	26,200	70	4,088	30,288	30,602
Ga. ....	845	6.23	1.60	52,645	111	6,915	59,560	60,120
Fla. ....	1,304	6.75	1.69	88,026	17	1,148	89,174	89,640
S. Atl. ....	7,662	5.50	1.42	421,504	806	43,704	465,208	471,577
Ky. ....	2,318	3.97	1.01	92,014	277	10,997	103,011	104,490
Tenn. ....	1,994	4.23	1.03	84,445	219	9,264	93,709	94,837
Ala. ....	730	5.87	1.51	42,868	168	9,862	52,730	53,358
Miss. ....	976	4.87	1.19	47,573	173	8,425	55,998	56,541
Ark. ....	735	4.41	1.12	32,379	101	4,454	36,833	37,309
La. ....	809	5.75	1.44	46,532	113	6,498	53,030	53,418
Okla. ....	1,230	4.31	1.16	52,988	85	3,664	56,652	57,840
Tex. ....	2,746	5.21	1.39	142,937	182	9,482	152,419	154,112
S. Cent. ....	11,538	4.70	1.20	541,736	1,318	62,646	604,382	611,905
Mont. ....	355	3.88	1.06	13,760	55	2,134	15,894	16,412
Idaho. ....	1,489	3.41	.92	50,711	59	2,012	52,723	54,390
Wyo. ....	153	3.97	1.10	6,081	20	794	6,875	7,067
Colo. ....	767	4.67	1.30	35,834	52	2,428	38,262	39,508
N. Mex. ....	253	5.24	1.44	13,252	17	891	14,143	14,358
Ariz. ....	487	5.26	1.48	25,632	12	631	26,263	26,563
Utah. ....	708	4.21	1.17	29,834	32	1,347	31,181	31,701
Nev. ....	116	5.09	1.41	5,910	3	153	6,063	6,210
Wash. ....	1,874	4.32	1.11	80,949	66	2,851	83,800	85,925
Oreg. ....	959	4.46	1.07	42,802	51	2,275	45,077	46,562
Calif. ....	8,119	4.77	1.31	387,127	70	3,339	390,466	395,862
West. ....	15,280	4.53	1.22	691,892	437	18,855	710,747	724,558
Alaska. ....	22.1	10.04	2.71	2,218	0.6	60	2,278	2,309
Hawaii. ....	124	8.62	2.39	10,684	4	345	11,029	11,120
U. S. ....	117,982	4.12	1.11	4,859,561	4,746	207,439	5,067,000	5,156,689

<sup>1/</sup> Cash receipts divided by milk or milkfat represented in combined marketings.<sup>2/</sup> Valued at average returns per 100 pounds of milk in combined marketings of milk and cream.<sup>3/</sup> Cash receipts from marketings of milk and cream plus value of milk used for home consumption and farm-churned butter.<sup>4/</sup> Includes value of milk fed to calves.

Table 13.-Production and utilization of milk, United States, 1959-64 <sup>1/</sup>

Item	1959	1960	1961	1962	1963	1964
	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.	Mil.lb.
Milk production	121,989	122,951	125,442	126,021	125,009	126,598
Utilization (milk equivalent):						
Manufactured in plants:						
Creamery butter, total.....	29,729	30,473	32,975	34,222	31,976	32,296
From whey cream.....	1,032	1,099	1,213	1,168	1,233	1,287
Net.....	28,697	29,374	31,762	33,054	30,743	31,009
Cheese:						
American.....	9,227	9,686	11,179	10,689	10,920	11,467
Other.....	3,396	3,678	3,682	3,652	3,889	4,045
Canned milk:						
Evaporated.....	4,559	4,342	4,237	3,903	3,854	3,866
Sweetened condensed.....	133	147	154	163	174	211
Bulk condensed milk:						
Unsweetened.....	843	862	919	835	813	838
Sweetened.....	115	110	115	118	137	141
Dry whole milk.....	712	721	601	632	673	678
Frozen dairy products:						
Ice cream and other frozen						
products <sup>2/</sup> .....	11,219	11,306	11,449	11,615	11,845	12,187
Duplication of fat from butter						
and condensed milk <sup>3/</sup> .....	1,852	1,853	1,860	1,874	1,901	1,943
Net from milk and cream.....	9,367	9,453	9,589	9,741	9,944	10,244
Other factory products <sup>4/</sup> .....	1,359	1,378	1,342	1,354	1,520	1,561
Total factory products <sup>5/</sup> .....	58,408	59,751	63,580	64,141	62,667	64,060
Farm butter.....	1,602	1,322	1,112	902	723	571
Fluid consumption: Farm <sup>6/</sup> .....	8,000	7,600	7,200	6,900	6,600	6,300
Nonfarm.....	50,500	50,900	50,300	51,100	52,200	52,900
Fed to calves.....	2,658	2,551	2,459	2,361	2,281	2,208
Exports and storage <sup>7/</sup> .....	13	7	-27	-74	-133	-53
Other <sup>8/</sup> .....	808	820	818	691	671	612

<sup>1/</sup> Includes Alaska and Hawaii beginning 1960. <sup>2/</sup> Includes ice cream, milk sherbet, ice milk, and other frozen dairy products. <sup>3/</sup> Milk equivalent of butter and condensed milk used in ice cream. <sup>4/</sup> Includes dry cream, malted milk powder, dry part-skim milk, dry ice cream mix, cottage cheese, and other products using milkfat. <sup>5/</sup> Includes net milk equivalents of butter and frozen dairy products to avoid double counting of milk from which fat was reused in making a second dairy product. <sup>6/</sup> Includes an allowance for fluid consumption on farms not producing milk in addition to the consumption on farms where milk is produced shown in Table 2. <sup>7/</sup> Net movement of whole milk or cream into export or storage channels. A negative figure represents net imports or net out-of-storage movement during the year. <sup>8/</sup> Residual, including miscellaneous minor uses and any inaccuracies of independently determined production and use items.

Table 14.-Percentage utilization of milk produced, United States, 1959-64 <sup>1/</sup>

Utilization	1959	1960	1961	1962	1963	1964
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Creamery butter, net.....	23.5	23.9	25.3	26.2	24.6	24.5
Cheese.....	10.4	10.9	11.8	11.4	11.8	12.3
Evaporated, condensed, and dry whole milk	5.2	5.0	4.8	4.5	4.5	4.5
Frozen dairy products, net.....	7.7	7.7	7.7	7.7	8.0	8.1
Other manufactured products.....	1.1	1.1	1.1	1.1	1.2	1.2
Total factory products.....	47.9	48.6	50.7	50.9	50.1	50.6
Farm butter.....	1.3	1.1	0.9	0.7	0.6	0.5
Fluid consumption:						
Farm.....	6.5	6.2	5.7	5.5	5.3	5.0
Nonfarm.....	41.4	41.4	40.1	40.5	41.8	41.8
Fed to calves.....	2.2	2.1	2.0	1.9	1.8	1.7
Other uses.....	0.7	0.6	0.6	0.5	0.4	0.4



the declining number of farms keeping milk cows, farm use of milk has declined steadily. Of the milk used on farms, consumption as fluid milk or cream amounted to 57 percent, 34 percent was fed to calves, and 9 percent used for farm churned butter.

Farm marketings of milk up 2 percent

Marketings of milk and cream from farms during 1964 totaled a record-high 120,128 million pounds (milk equivalent), 2 percent more than in 1963. The quantity sold from farms in 1964 compares with the previous record of 118,348 million pounds in 1962. Whole milk sold to plants and dealers represented 95 percent, milk equivalent of farm-separated cream 4 percent, and milk and cream retailed by farmers 1 percent of all milk marketed by farmers. The 113,935 million pounds of milk sold as whole milk to plants and dealers compares with 111,105 million pounds sold in 1963. The milk equivalent of farm-separated cream sold to plants and dealers totaled 4,420 million pounds in 1964 -- down 13 percent from the 1963 total of 5,080 million pounds. Farmers retailed 1,773 million pounds in 1964 compared with 1,797 million pounds a year earlier.

Cash receipts from marketings up 3 percent

Marketings of milk and cream returned a record high of 5,022 million dollars to farmers in 1964 -- up 3 percent from the 1963 cash receipts of 4,860 million dollars. Receipts from marketings were up 7 percent from 1963 in the West North Central Region and up 4 percent in the East North Central. The increase in receipts from 1963 in the South Central and Western Regions was about 3 percent. However, influenced by drought conditions during 1964, receipts in the North Atlantic and South Atlantic regions were up only 2 percent from 1963.

Receipts from milk sold to plants and dealers in 1964 totaled 4,743 million dollars, compared with 4,563 million in 1963. Prices received by farmers averaged \$4.16 per hundredweight in 1964, compared with \$4.11 in 1963.

Cash receipts from farm-separated cream in 1964 totaled 94.3 million dollars, compared with 110.5 million in 1963. Prices received for milkfat in cream in 1964 averaged 58.9 cents per pound compared with 59.6 cents in 1963. Cash receipts from marketings of cream have declined rapidly in recent years. The 1964 total is only about one-fourth of the income from this source 10 years ago.

Income from milk and cream retailed by farmers totaled 184.7 million dollars in 1964 -- down 1 percent from 1963. Receipts from retail sales declined about 35 percent in the last 10 years. During 1964, the price received for milk retailed by farmers averaged 22.4 cents per quart compared with 22.3 in 1963.

The farm value of all milk produced, totaled 5,298 million dollars in 1964 -- the highest since the record of 5,426 million in 1952.

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POSTAGE AND FEES PAID  
 U. S. DEPARTMENT OF AGRICULTURE

OFFICIAL BUSINESS

Milk sold to plants 32 percent manufacturing grade

Of the whole milk sold by farmers to plants and dealers in 1964, 32 percent was of manufacturing grade and 68 percent was eligible for fluid use (including surplus milk diverted to manufacturing). In the North and South Atlantic Regions nearly all milk sold by farmers is eligible for fluid use. The percentage of manufacturing grade milk has declined since 1950 in all regions except the West North Central. In this region there has been a shift from sale of farm-separated cream to sale of manufacturing grade whole milk.

Table 15.-Manufacturing grade milk as percent of all milk sold by farmers to plants and dealers, by regions, selected years, 1950-64

Region	1950	1955	1960	1961	1962	1963	1964
				Percent			
North Atlantic.....	3	2	1	1	1	1	1
East North Central..	56	52	45	43	42	40	40
West North Central..	63	66	69	70	71	71	72
South Atlantic.....	17	13	10	10	9	8	7
South Central.....	38	33	27	27	26	25	24
Western.....	41	36	26	25	24	22	18
U. S. ....	39	37	33	33	33	32	32